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# MEETINGS AND SYMPOSIUMS

## ICR ANNUAL MEETING 1994

December 9, 1994

### I. Oral Presentations

(Wood Composites Hall, Wood Research Institute, Kyoto University, Uji, Kyoto-fu)

1. Amyloid-Related Genes in Alzheimer's Disease  
Tanaka S and Ueda K
2. Time-Resolved X-Ray Crystallography of Glutathione Synthase Catalyzing Reactions in Crystalline State  
Nishioka S, Hara T, Kato H and Oda J
3. Solid NMR Analysis of the Molecular Motion of Organic Materials  
Horii F
4. Electron Crystal Structure Analysis with Imaging Plate  
Ogawa T, Moriguchi S, Isoda and Kobayashi T
5. Advanced Electrochemistry Useful for the Elucidation of Membrane Reactions  
Kihara S and Matsui M
6. Third-Order Nonlinear Optical Properties of Sol-Gel Derived Transition Metal Oxide Thin Films  
Hashimoto T and Yoko T
7. Development of New Accelerator Tube Structures for Linear Accelerators  
Iwashita Y

### II. Posters

(5th Floor Large Meeting Room, Institute for Chemical Research, Kyoto University, Uji, Kyoto-fu)

1. The Epitaxial Growth of VOPc and VOPcFx on Alkali Halides  
Hashimoto S
2. Swelling and Mechanical Behavior of Polymer Gels in Solvent Under Uniaxial and Biaxial Constraints  
Urayama K, Takigawa T, Masuda T and Kohjiya S
3. Structural Change in the Drawing Process of PEN [Poly(ethylene naphthalate)] at High Temperatures II  
Murakami S, Yamakawa M, Tsuji M and Kohjiya S
4. Polarized FT-IR Spectra of Water in the Gel Phase of Nonionic Surfactant Triton X100-Water System  
Kimura N
5. Analysis of Microcapsule Structure by Dielectric Measurements  
Sekine K
6. Magnetism of Europium/Transition Metal Interfaces  
Mibu K and Shinjo T
7. Preparation and Properties of SrRuO<sub>3</sub> Thin Films  
Izumi M and Bando Y
8. Phase Separation of Pb-Substituted Bi-Based Superconductors  
Niinae T, Ikeda Y and Bando Y
9. Magnetism of SrCu<sub>2</sub>O<sub>3</sub> and Sr<sub>2</sub>Cu<sub>3</sub>O<sub>5</sub> Comprising Spin 1/2 Ladders  
Azuma M, Hiroi Z and Takano M

10. Magnetic and Electrical Properties of SrFe<sub>1-x</sub>Co<sub>x</sub>O<sub>3</sub> Synthesized under High Pressure  
Kawasaki S and Takano M
11. High Pressure Synthesis and Characterization of a New High-Tc Cuprate Superconductor Without Apical Oxygens-  
(Ca<sub>1-x</sub>Na<sub>x</sub>)<sub>2</sub> CuO<sub>2</sub>Cl<sub>2</sub>  
Kobayashi N, Hiroi Z and Takano M
12. Growth of Pb-Substituted Bi-2201 Single Crystal by Floatation Zone Method  
Chong I, Niinae T, Ikeda Y, Takano M and Bando Y
13. Sol-Gel Preparation of Oxide Thin Films Dispersed with Metal Nanoparticles: Control of the Size, Shape and Orientation of Metal Particles  
Kozuka H, Okuno M and Yoko T
14. Dielectric Relaxation of Dipole-Inverted Type-A Chains  
Watanabe H
15. Dynamic Birefringence of Polyisoprene and Polyisobutylene  
Okamoto H, Inoue T and Osaki K
16. Structure of Polyelectrolyte Solutions-Charge Density Dependence of Interchain Correlation Length  
Nishida K, Kanaya T and Kaji K
17. Fast Relaxation Process in Amorphous Polystyrene  
Kawaguchi T, Kanaya T and Kaji K
18. 1D and 2D Solid State <sup>13</sup>C NMR Analysis of the Molecular Motion in the Crystalline State of Polymers  
Kaji H and Horii F
19. Gelation and Lyotropic Liquid Crystal of Fully Acylated Cellobiose in n-Alkane Solution  
Ide N, Fukuda T and Miyamoto T
20. Effects of Molecular Orientation on the Miscibility Threshold of Polystyrene/Poly(vinyl methyl ether) Blends  
Fujimoto K, Murakami M, Tsujii Y, Fukuda T and Miyamoto T
21. Synthesis and Mesophase Properties of Discotic Liquid Crystalline Polymers Having Fully Acylated Cellobiose Pendants  
Takaragi A, Minoda M, Watanabe J and Miyamoto T
22. Amphiphilic Block Polymers with Pendant Glucose Residues: Synthesis and Morphological Observation  
Yamada K, Minoda M and Miyamoto T
23. Palladium (II)-Catalyzed Carbonylation of Enol Esters  
Kudo K, Oida Y, Mitsunashi K, Mori S, Komatsu K and Sugita N
24. Carbon-Carbon Bond Formation via the Chiral Episelemonium Ion Bearing Bulky Arylseleno Group as Protective Auxiliary  
Toshimitsu A, Nakano K, Mukai T and Tamao K
25. Structure and Reactivity of Novel Pentacoordinated Organosilicon Compounds  
Asahara M, Kawachi A, Yamaguchi S and Tamao K
26. Novel Atropisomers Through Two Bonds  
Fuji K, Kawabata T and Oka T
27. Molecular Design of Inhibitors of the Transcription Factors Which Bind to a  $\kappa$ B Site of DNA  
Fujita M, Otsuka M and Sugiura Y



28. A Mechanism-Based Inactivation of Glutathione Synthetase by Phosphinic Acid Transition-State Analogue  
Kato H, Hiratake J and Oda J
29. Chaperone-Like Activity of C-Terminal Domain of Alanine Racemase  
Yoshimura T, Kitamura T, Kurokawa Y, Esaki N and Soda K
30. Mechanism of the Thick Filament Formation by Assemble of Muscle Protein Myosin  
Akutagawa T
31. Study of Membrane Fusion-Active Peptides  
Ishiguro R, Matsumoto T and Takahashi S
32. Structure Features of a Zinc-metalloprotease Family Revealed by the X-ray Diffraction Study of *Pseudomonas aeruginosa* Alkaline Protease  
Miyatake H, Fujii T and Hata Y
33. Regulatory Network of Transcription in Higher Plants by Homeodomain Proteins  
Tsukuda M, Aoyama T and Oka A
34. Signal Transduction Pathways in Higher Plants Through Protein Phosphorylation-Dephosphorylation Reactions  
Aoki M, Aoyama T and Oka A
35. A Knowledge Base for Searching and Browsing Metabolic Pathways  
Goto S and Kanehisa M
36. Development of the Injector Linac for the Electron Storage Ring  
Shirai T, Iwashita Y, Kando M, Ikegami M, Dewa H, Okamoto H, Kakigi S, Fujita H, Noda A, Inoue M and Mashiko K
37. Pulsed Beam Current Monitor Using a Toroidal Coil  
Dewa H, Iwashita Y, Kando M, Ikegami M, Shirai T, Okamoto H, Kakigi S, Fujita H, Noda A and Inoue M
38. Abnormality of Calpatin-Calpastatin System after HTLV-1 Infection  
Adachi Y and Ueda K

## ICR SYMPOSIUM 1994

November 11, 1994

(Kyoto Research Park, Kyoto)

1. Hydrocarbon Molecules with Novel Structure: New Development in Fullerene Chemistry  
Komatsu K
2. Organosilicon Chemistry: Past, Present and Future  
Tamao K
3. Reasonable Reactions and Reactions beyond Common Knowledge Examples from Enantioselective Reactions  
Fuji K
4. Enantioselective Reaction Using Biocatalyst: New Method for Preparation of L- and D-Enantiomers  
Ohno A
5. Solid State Chemistry of New High-Tc Superconductors  
Kishio K
6. Creation of New Functional Materials by Artificial Superlattices  
Bando Y

## SYMPOSIUMS ORGANIZED BY RESEARCH FACILITY OF NUCLEIC ACIDS

### SYMPOSIUM ON "Molecular Mechanism of Transcription and RNA Functions" Wednesday 1 December 1993

"Regulation of Transcription by the TATA Box Binding Factor TFIID"

Associate Professor Masami Horikoshi

Institute of Molecular and Cellular Biology, University of Tokyo, Tokyo, Japan

"Plant bZIP Proteins Gather at ACGT Elements"

Dr Tsuyoshi Izawa

Plantech Research Institute, Yokohama, Japan

"Regulation of Transcription by the *myb* Oncogene Product"

Dr Shunsuke Ishii

Tsukuba Life Science Center, Institute of Physical and Chemical Research (RIKEN), Ibaraki, Japan

"Binding of the *Drosophila* Sex-lethal Gene Product to the Alternative Splice Sites of Transformer Primary Transcript"

Associate Professor, Hiroshi Sakamoto

Department of Biology, Faculty of Science, Kobe University, Kobe, Japan

"A Model for the Mechanism of Initial Generation of Retroposons"

Professor Norihiro Okada

Faculty of Bioscience and Biotechnology, Tokyo Institute of Technology, Yokohama, Japan

## TECHNICAL SYMPOSIUM

Thursday 2 December 1993

"Purification of Transcription Regulatory Factors with Affinity Chromatographies"

Associate Professor Masami Horikoshi

Institute of Molecular and Cellular Biology, University of Tokyo, Tokyo, Japan

Dr Tsuyoshi Izawa

Plantech Research Institute, Yokohama, Japan

Dr Shunsuke Ishii

Tsukuba Life Science Center, Institute of Physical and Chemical Research (RIKEN), Ibaraki, Japan

"Preparation of Extracts Having Transcription and Splicing Activities from Hela Cells"

Associate Professor Hiroshi Sakamoto

Department of Biology Faculty of Science, Kobe University, Kobe, Japan

Professor Norihiro Okada

Faculty of Bioscience and Biotechnology, Tokyo Institute of Technology, Yokohama, Japan